

Storm Data and Unusual Weather Phenomena - February 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Southwest				
(IA-Z043) MONONA, (IA-Z055) HARRISON, (IA-Z056) SHELBY, (IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE				
	02/01/15 00:00 CST	0		Winter Storm
	02/01/15 18:00 CST	0		
<p>A deep trough across the southwest United States moved into the southern Plains early on January 31st. Ahead of this system deep moisture spread northward across the central Plains. This broad, but persistent area of warm air advection led to increasing showers over Kansas, which moved northward into eastern Nebraska and western Iowa early on the 31st. This initial precipitation was a mix of light rain and snow through mid afternoon. As colder air, associated with a stronger northern stream trough and cold front, started to move into the area late Saturday afternoon and evening the precipitation turned to all snow and began to accumulate. Snow, occasionally moderate, continued into Saturday night diminishing to light snow on Sunday morning, before ending Sunday afternoon. Snowfall of 5 to 9 inches were common across east central and southeast Nebraska, as well as southwest Iowa. As the colder air moved into the area Saturday night winds switched from northeast to northwest and increased. Winds of 20 to 30 mph with gusts over 40 mph were common into the day on Sunday that led to considerable blowing and drifting snow. The combination of falling and blowing snow resulted in reduced visibilities and very difficult driving conditions.</p>				
(IA-Z090) FREMONT, (IA-Z091) PAGE				
	02/04/15 06:00 CST	0		Winter Weather
	02/04/15 11:00 CST	0		
<p>A quick moving clipper system impacted eastern Nebraska and southwest Iowa during the morning of February 4th. The system traveled southeast through the region along a very tight thermal gradient. The combination of the strong thermal gradient and the clipper system led to strong lift across the area for a short time creating a period of moderate to heavy snowfall. The snowfall impacted the morning commute on the 4th leading to many school closures and accidents on area roadways. Most of the snowfall was over by midday, but north winds of 15 to 25 mph with gusts over 30 mph created some blowing and drifting snowfall into the afternoon.</p>				
NEBRASKA, East				
(NE-Z011) KNOX, (NE-Z012) CEDAR, (NE-Z015) THURSTON, (NE-Z034) BURT, (NE-Z042) PLATTE, (NE-Z043) COLFAX, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z066) LANCASTER, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z088) JEFFERSON, (NE-Z089) GAGE, (NE-Z090) JOHNSON, (NE-Z091) NEMAHA, (NE-Z092) PAWNEE, (NE-Z093) RICHARDSON				
	02/01/15 00:00 CST	0		Winter Storm
	02/01/15 19:00 CST	0		
(NE-Z016) ANTELOPE, (NE-Z017) PIERCE, (NE-Z018) WAYNE, (NE-Z031) MADISON, (NE-Z032) STANTON, (NE-Z033) CUMING				
	02/01/15 00:00 CST	0		Winter Weather
	02/01/15 18:00 CST	0		
<p>A deep trough across the southwest United States moved into the southern Plains early on January 31st. Ahead of this system deep moisture spread northward across the central Plains. This broad, but persistent area of warm air advection led to increasing showers over Kansas, which moved northward into eastern Nebraska and western Iowa early on the 31st. This initial precipitation was a mix of light rain and snow through mid afternoon. As colder air, associated with a stronger northern stream trough and cold front, started to move into the area late Saturday afternoon and evening the precipitation turned to all snow and began to accumulate. Snow, occasionally moderate, continued into Saturday night diminishing to light snow on Sunday morning, before ending Sunday afternoon. Snowfall of 5 to 9 inches were common across east central and southeast Nebraska, as well as southwest Iowa. As the colder air moved into the area Saturday night winds switched from northeast to northwest and increased. Winds of 20 to 30 mph with gusts over 40 mph were common into the day on Sunday that led to considerable blowing and drifting snow. The combination of falling and blowing snow resulted in reduced visibilities and very difficult driving conditions.</p>				
(NE-Z050) BUTLER, (NE-Z053) SARPY, (NE-Z065) SEWARD, (NE-Z067) CASS, (NE-Z068) OTOE, (NE-Z078) SALINE, (NE-Z089) GAGE, (NE-Z090) JOHNSON				
	02/04/15 04:00 CST	0		Winter Weather
	02/04/15 11:00 CST	0		
(NE-Z066) LANCASTER				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/04/15 04:30 CST		0	Heavy Snow
	02/04/15 11:00 CST		0	

A quick moving clipper system impacted eastern Nebraska and southwest Iowa during the morning of February 4th. The system traveled southeast through the region along a very tight thermal gradient. The combination of the strong thermal gradient and the clipper system led to strong lift across the area for a short time creating a period of moderate to heavy snowfall. The snowfall impacted the morning commute on the 4th leading to many school closures and accidents on area roadways. Most of the snowfall was over by midday, but north winds of 15 to 25 mph with gusts over 30 mph created some blowing and drifting snowfall into the afternoon.